## SEQUENCE LISTING

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<110> BISHOP-HURLEY, SHARON L.
      SCHMIDT, FRANCIS J.
      SMITH, ARNOLD L.
<120> PHAGE-DISPLAY PEPTIDES AS NOVEL ANTIMICROBIAL AGENTS
      AGAINST HAEMOPHILUS INFLUENZAE
<130> UVMO:022US
<140> UNKNOWN
<141> 2003-09-04
<150> 60,409,909
<151> 2002-09-11
<160> 8
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Asp Ser Leu Asn Thr Gly Trp Leu Ala Gly Leu Phe Tyr His His Lys
Phe Asn Ser Ser Gly Cys Pro Glu Arg Leu Ala Ser Cys Arg Pro Leu
65
Thr Asp Phe Asp Gln Gly Trp Gly Pro Ile Ser Tyr Ala Asn Gly Ser
                                     90
Gly Pro Asp Gln Arg Pro Tyr Cys Trp His Tyr Pro Pro Lys Pro Cys
                                                     110
            100
                                105
Gly Ile Val Pro Ala Lys Ser Val Cys Gly Pro Val Tyr Cys Phe Thr
        115
                            120
Pro Ser Pro Val Val Val Gly Thr Thr Asp Arg Ser Gly Ala Pro Thr
                        135
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Tyr Ser Trp Gly Glu Asn Asp Thr Asp Val Phe Val Leu Asn Asn Thr

Arg Pro Pro Leu Gly Asn Trp Phe Gly Cys Thr Trp Met Asn Ser Thr

155

160

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150

145

165 170 175

Gly Phe Thr Lys Val Cys Gly Ala Pro Pro Cys Val Ile Gly Gly Ala 180 185 190

- Gly Asn Asn Thr Leu His Cys Pro Thr Asp Cys Phe Arg Lys His Pro 195 200 205
- Asp Ala Thr Tyr Ser Arg Cys Gly Ser Gly Pro Trp Ile Thr Pro Arg 210 215 220
- Cys Leu Val Asp Tyr Pro Tyr Arg Leu Trp His Tyr Pro Cys Thr Ile 225 230 235 240
- Asn Tyr Thr Ile Phe Lys Ile Arg Met Tyr Val Gly Gly Val Glu His 245 250 255
- Arg Leu Glu Ala Ala Cys Asn Trp Thr Arg Gly Glu Arg Cys Asp Leu 260 265 270
- Glu Asp Arg Asp Arg Ser Glu Leu Ser Pro Leu Leu Leu Thr Thr Thr 275 280 285
- Gln Trp Gln Val Leu Pro Cys Ser Phe Thr Thr Leu Pro Ala Leu Ser 290 295 300
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Ser Pro Ala Ser Pro Leu Tyr Ser

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Cys Thr Ala Thr Ala Gly Gly Cys Ala Ala Ala Cys Gly Ala Cys Thr
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Gly Thr Cys Cys Thr Gly Gly Cys Cys Gly Thr
         35
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## SEQUENCE LISTING

- <110> BISHOP-HURLEY, SHARON L. SCHMIDT, FRANCIS J. SMITH, ARNOLD L.
- <120> PHAGE-DISPLAY PEPTIDES AS NOVEL ANTIMICROBIAL AGENTS AGAINST HAEMOPHILUS INFLUENZAE
- <130> UVMO:022US
- <140> UNKNOWN
- <141> 2003-09-04
- <150> 60,409,909
- <151> 2002-09-11
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Thr Cys Ala Gly Thr Cys
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                                                          15
Phe Val Ser Leu Leu Ala Pro Gly Ala Lys Gln Asn Val Gln Leu Ile
             20
                                  25
                                                      30
Asn Thr Asn Gly Ser Trp His Leu Asn Ser Thr Ala Leu Asn Cys Asn
         35
                              40
Asp Ser Leu Asn Thr Gly Trp Leu Ala Gly Leu Phe Tyr His His Lys
                         55
     50
                                              60
Phe Asn Ser Ser Gly Cys Pro Glu Arg Leu Ala Ser Cys Arg Pro Leu
                     70
                                          75
 65
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Thr Asp Phe Asp Gln Gly Trp Gly Pro Ile Ser Tyr Ala Asn Gly Ser

90

95

85

Thr Gly Gly

Gly Pro Asp Gln Arg Pro Tyr Cys Trp His Tyr Pro Pro Lys Pro Cys Gly Ile Val Pro Ala Lys Ser Val Cys Gly Pro Val Tyr Cys Phe Thr Pro Ser Pro Val Val Val Gly Thr Thr Asp Arg Ser Gly Ala Pro Thr Tyr Ser Trp Gly Glu Asn Asp Thr Asp Val Phe Val Leu Asn Asn Thr Arg Pro Pro Leu Gly Asn Trp Phe Gly Cys Thr Trp Met Asn Ser Thr Gly Phe Thr Lys Val Cys Gly Ala Pro Pro Cys Val Ile Gly Gly Ala Gly Asn Asn Thr Leu His Cys Pro Thr Asp Cys Phe Arg Lys His Pro Asp Ala Thr Tyr Ser Arg Cys Gly Ser Gly Pro Trp Ile Thr Pro Arg Cys Leu Val Asp Tyr Pro Tyr Arg Leu Trp His Tyr Pro Cys Thr Ile Asn Tyr Thr Ile Phe Lys Ile Arg Met Tyr Val Gly Gly Val Glu His Arg Leu Glu Ala Ala Cys Asn Trp Thr Arg Gly Glu Arg Cys Asp Leu Glu Asp Arg Asp Arg Ser Glu Leu Ser Pro Leu Leu Leu Thr Thr 

Gln Trp Gln Val Leu Pro Cys Ser Phe Thr Thr Leu Pro Ala Leu Ser 290 295 300

Thr Gly Leu Ile His Leu His Gln Asn Ile Val Asp Val Gln Tyr Leu 305 310 315 320

Tyr Gly Val Gly Ser Ser Ile Ala Ser Trp Ala Ile Lys 325 330

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Ser Pro Ala Ser Pro Leu Tyr Ser
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Gly Ser Arg Gly Lys His Thr Phe Val Arg Pro Thr Leu Val Phe
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<212> PRT
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<213> Artificial Sequence

فنم الخالج

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<223> Description of Artificial Sequence: Synthetic Peptide

<400> 8

Ala Ala Thr Thr Thr Ala Ala Thr Ala Cys Gly Ala Cys Thr Cys Ala 1 5 10 15

Cys Thr Ala Thr Ala Gly Gly Cys Ala Ala Ala Cys Gly Ala Cys Thr
20 25 30

Gly Thr Cys Cys Thr Gly Gly Cys Cys Gly Thr 35 40